



Join us the second Thursday of every month for a series of "brown bag" seminars, sponsored by the National Renewable Energy Laboratory and the U.S. Department of Energy (DOE). Each seminar is held at NREL's Washington office with a videoconference link to Golden, Colorado. Topics focus on new and innovative renewable energy and energy analysis strategies, models, and technologies.



Efficient System Design and Sustainable Finance for China's Village Electrification

An analytical seminar presented by DOE and NREL's Strategic Energy Analysis Center (SEAC)

David Kline, Senior Project Leader

National Renewable Energy Laboratory (NREL)

Thursday, October 12, 2006

Noon – 1 p.m. (in Washington, D.C. - bring your lunch)

10 – 11 a.m. (videoconference in Golden, Colo.)

This seminar, presented by David Kline of the National Renewable Energy Laboratory (NREL), describes a joint effort by NREL and the Institute for Electrical Engineering of the Chinese Academy of Sciences (IEE) to support China's rural electrification program. NREL and IEE collaborated in developing a design tool that provides guidelines for off-grid renewable energy system designs, and for cost-based tariff and finance schemes to support them. The methods described here capitalize on lessons learned and field data from China's Township Electrification Program. The approach was designed specifically for use in the Village Electrification Program, the successor to the Township Program. The resulting tool is under consideration as a mandatory standard to be used by project developers in the Village Electrification Program, which will provide electricity for about 10 million homes in Western China. The seminar will describe the methods used to develop the analysis, some indicative results, and remaining issues and limitations.



David Kline

David Kline, of NREL's Technology Applications Center, has conducted analysis of public policy toward renewable energy research development, demonstration, and deployment. He has also provided analysis on the development of policies to support technology innovation and diffusion. Since 1999, his work has focused on market-oriented strategies for the transfer of clean energy technologies from developed to developing countries. He has worked with partners in Armenia, China, Egypt, Ghana, India, Mexico, Morocco, Russia, and South Africa, and has organized international forums on related issues. Kline also manages NREL's work on the Initiatives for Proliferation Prevention, which promotes civilian technology collaboration with former weapons scientists. He holds a bachelor's in mathematics and a master's and Ph.D. in engineering-economic systems from Stanford University.

Golden, Colo., information

1617 Cole Blvd., Golden, Colorado
Building 15, Conference Room 375

Please contact Lynne Fenn at lynne_fenn@nrel.gov or
303-384-7439

Washington, D.C., information

901 D Street SW (also the Aerospace Building, 370 L'Enfant
Promenade), adjacent to the Forrestal Building

Please contact Wanda Addison, of Midwest Research Institute
(MRI), at wanda_addison@nrel.gov or 202-646-5278

If you are interested in participating in the seminar via conference call,
please contact Wanda Addison, of MRI, at wanda_addison@nrel.gov or 202-646-5278 for instructions.

For more information on NREL analysis, please visit the Web site at
<http://www.nrel.gov/analysis>